

APPLICANT:

;; TITLE OF INVENTION: THE GENETIC LOCUS UGT1 AND A MUTATION
;; TITLE OF INVENTION: THEREIN.
;; NUMBER OF SEQUENCES: 40
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: CUSHMAN DARBY & CUSHMAN
;; STREET: 1615 L STREET, N.W.
;; CITY: WASHINGTON
;; STATE: D.C.
;; COUNTRY: U.S.A.
;; ZIP: 20036-5601
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patentin Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: PCT/US92/00282
;; FILING DATE: 19920110
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: SCOTT, WATSON T.
;; REGISTRATION NUMBER: 26581
;; REFERENCE/DOCKET NUMBER: 91532-PCT
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 202-861-3000
;; TELEFAX: 202-822-0944
;; TELEX: 6714627 CUSH
;; INFORMATION FOR SEQ ID NO: 25:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 1561 base pairs
;; TYPE: NUCLEIC ACID
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: CDNA
;; PCT-US92-00282-25

alignment_scores:
Quality: 9.00 Length: 9
Ratio: 1.000 Gaps: 0
Percent Similarity: 100.000 Percent Identity: 100.000

alignment_block:
US-09-784-340-2 x PCT-US92-00282-25 ..
Align seg 1/1 to: PCT-US92-00282-25 from: 1 to: 1561

463 GIuphevalmetarghislysglyala 471
|||||
353 GAGTTGTGATGAGCACAAGGCGCG 379

seq_name: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:PCT-US92-00282-1

seq_documentation_block:
;; Sequence 1, Application PC/TUS9200282
;; GENERAL INFORMATION:
;; APPLICANT: OMENS, IDA S.
;; APPLICANT: RITTER, JOSEPH K.
;; TITLE OF INVENTION: THE GENETIC LOCUS UGT1 AND A MUTATION
;; TITLE OF INVENTION: THEREIN.
;; NUMBER OF SEQUENCES: 40
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: CUSHMAN DARBY & CUSHMAN
;; STREET: 1615 L STREET, N.W.
;; CITY: WASHINGTON
;; STATE: D.C.
;; COUNTRY: U.S.A.
;; ZIP: 20036-5601
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patentin Release #1.0, Version #1.25

;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: PCT/US92/00282
;; FILING DATE: 19920110
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: SCOTT, WATSON T.
;; REGISTRATION NUMBER: 26581
;; REFERENCE/DOCKET NUMBER: 91532-PCT
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 202-861-3000
;; TELEFAX: 202-822-0944
;; TELEX: 6714627 CUSH
;; INFORMATION FOR SEQ ID NO: 1:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 2336 base pairs
;; TYPE: NUCLEIC ACID
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: CDNA
;; PCT-US92-00282-1

alignment_scores:
Quality: 9.00 Length: 9
Ratio: 1.000 Gaps: 0
Percent Similarity: 100.000 Percent Identity: 100.000

alignment_block:
US-09-784-340-2 x PCT-US92-00282-1 ..
Align seg 1/1 to: PCT-US92-00282-1 from: 1 to: 2336

301 GIyllevalpheserleuclyser 309
|||||
901 GGAATGTGTTTCTCTTGGGATCA 927

seq_name: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:PCT-US92-00282-2

seq_documentation_block:
;; Sequence 2, Application PC/TUS9200282
;; GENERAL INFORMATION:
;; APPLICANT: OMENS, IDA S.
;; APPLICANT: RITTER, JOSEPH K.
;; TITLE OF INVENTION: THE GENETIC LOCUS UGT1 AND A MUTATION
;; TITLE OF INVENTION: THEREIN.
;; NUMBER OF SEQUENCES: 40
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: CUSHMAN DARBY & CUSHMAN
;; STREET: 1615 L STREET, N.W.
;; CITY: WASHINGTON
;; STATE: D.C.
;; COUNTRY: U.S.A.
;; ZIP: 20036-5601
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patentin Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: PCT/US92/00282
;; FILING DATE: 19920110
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: SCOTT, WATSON T.
;; REGISTRATION NUMBER: 26581
;; REFERENCE/DOCKET NUMBER: 91532-PCT
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 202-861-3000
;; TELEFAX: 6714627 CUSH
;; INFORMATION FOR SEQ ID NO: 2:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 2339 base pairs

TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
PCT-US92-00282-2

alignment_scores:
Quality: 9.00 Length: 9
Ratio: 1.000 Gaps: 0
Percent Similarity: 100.000 Percent Identity: 100.000

alignment_block:
US-09-784-340-2 x PCT-US92-00282-2

Align seg 1/1 to: PCT-US92-00282-2 from: 1 to: 2339

301 GlytIleValAlaPheSerLeuGlySer 309
|||||
904 GGAATGTGCTTCTCTTGGATCA 930

seq_name: /cgn2_6/ptodata/2/lna/5A_COMB.seq:US-08-162-809-1

seq_documentation_block:
Sequence 1, Application US/08162809
Patent No. 5457048
GENERAL INFORMATION:
APPLICANT: Pasquale, Elena B.
TITLE OF INVENTION: NOVEL EPH-RELATED TYROSINE KINASES,
NUMBER OF INVENTION: NUCLEOTIDE SEQUENCES, AND METHODS OF USE
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: CAMPBELL AND FLORES
STREET: 4370 La Jolla Village Drive, Suite 700,
CITY: San Diego
STATE: California
COUNTRY: United States of America
ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/162,809
FILING DATE:
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LJ 9503
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3133 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: linear
FEATURE:
NAME/KEY: CDS
LOCATION: join(3..419, 421..2858)
US-08-162-809-1

alignment_scores:
Quality: 8.00 Length: 8
Ratio: 1.000 Gaps: 0
Percent Similarity: 100.000 Percent Identity: 100.000
alignment_block:

US-09-784-340-2 x US-08-162-809-1
Align seg 1/1 to: US-08-162-809-1 from: 1 to: 3133

418 MetThrSerGluAspLeuLeuArg 425
|||||
2740 ATGACATCTGAGACCTCTGAGA 2763

seq_name: /cgn2_6/ptodata/2/lna/5A_COMB.seq:US-08-299-953-2

seq_documentation_block:
Sequence 2, Application US/08299953
Patent No. 5646333
GENERAL INFORMATION:
APPLICANT: Dobres, Michael S. and Mandaci, Sevnur
TITLE OF INVENTION: A Plant Promoter Useful for Directing the
NUMBER OF INVENTION: Expression of Foreign Proteins to the Plant Epidermis
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 5646333r1s
STREET: One Liberty Place 46th. Floor
CITY: Philadelphia
STATE: PA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/299,953
FILING DATE: Herewith
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Beardsell, Lori Y.
REGISTRATION NUMBER: 34,293
REFERENCE/DOCKET NUMBER: NOVA-0003
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-564-8960
TELEFAX: 215-568-3439
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 3881 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-299-953-2

alignment_scores:
Quality: 8.00 Length: 8
Ratio: 1.000 Gaps: 0
Percent Similarity: 100.000 Percent Identity: 100.000

alignment_block:
US-09-784-340-2 x US-08-299-953-2

Align seg 1/1 to: US-08-299-953-2 from: 1 to: 3881

7 AlaLeuValaPheLeuLeuGln 14
|||||
3532 GCGTGTGTTTCTCTACTTCAA 3555

seq_name: /cgn2_6/ptodata/2/lna/5A_COMB.seq:US-08-459-415-2
seq_documentation_block:
Sequence 2, Application US/08459415
Patent No. 5744334
GENERAL INFORMATION:
APPLICANT: Dobres, Michael S. and Mandaci, Sevnur

;; TITLE OF INVENTION: A Plant Promoter Useful for Directing the
;; TITLE OF INVENTION: Expression of Foreign Proteins to the Plant Epidermis
;; NUMBER OF SEQUENCES: 4
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 574434aris
;; STREET: One Liberty Place 46th. Floor
;; CITY: Philadelphia
;; STATE: PA
;; ZIP: 19103
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/459,415
;; FILING DATE: 02-JUN-1995
;; CLASSIFICATION: 435
;; PRIORITY APPLICATION DATA:
;; APPLICATION NUMBER: 08/299,953
;; FILING DATE:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Beardell, Lori Y.
;; REGISTRATION NUMBER: 34,293
;; REFERENCE/DOCKET NUMBER: NOVA-0003
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 215-564-8960
;; TELEFAX: 215-568-3439
;; INFORMATION FOR SEQ ID NO: 2:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 3881 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: double
;; TOPOLOGY: linear
;; MOLECULE TYPE: DNA (genomic)
;; HYPOTHEICAL: NO
;; ANTI-SENSE: NO
;; US-08-459-415-2

alignment_scores:
Quality: 8.00 Length: 8
Ratio: 1.000 Gaps: 0
Percent Similarity: 100.000 Percent Identity: 100.000

alignment_block:
US-09-784-340-2 x US-08-459-415-2 ..
Align seg 1/1 to: US-08-459-415-2 from: 1 to: 3881
7 AlaleuValPheLeuLeuLenGln 14
|||||
3532 GCGTTGGTTTCTTCTGCTACTTCAA 3555

seq_name: /cgn2_6/ptodata/2/1na/PCTUS_COMB.seq:PCT-US95-11231-2

seq_documentation_block:
;; Sequence 2, Application PC/TUS9511231
;; GENERAL INFORMATION:
;; APPLICANT: Dobres, Michael S. and Mandaci, Sevnuur
;; TITLE OF INVENTION: A Plant Promoter Useful for Directing the Expression
;; TITLE OF INVENTION: of Foreign Proteins to the Plant Epidermis
;; NUMBER OF SEQUENCES: 4
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & Norris
;; STREET: One Liberty Place 46th. Floor
;; CITY: Philadelphia
;; STATE: PA
;; ZIP: 19103
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS

;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: PCT/US95/11231
;; FILING DATE: Herewith
;; CLASSIFICATION:
;; PRIORITY APPLICATION DATA:
;; APPLICATION NUMBER: 08/299,953
;; FILING DATE: September 2, 1994
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Beardell, Lori Y.
;; REGISTRATION NUMBER: 34,293
;; REFERENCE/DOCKET NUMBER: NOVA-0016
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 215-564-8960
;; TELEFAX: 215-568-3439
;; INFORMATION FOR SEQ ID NO: 2:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 3881 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: double
;; TOPOLOGY: linear
;; MOLECULE TYPE: DNA (genomic)
;; HYPOTHEICAL: NO
;; ANTI-SENSE: NO
;; PCT-US95-11231-2

alignment_scores:
Quality: 8.00 Length: 8
Ratio: 1.000 Gaps: 0
Percent Similarity: 100.000 Percent Identity: 100.000

alignment_block:
US-09-784-340-2 x PCT-US95-11231-2 ..
Align seg 1/1 to: PCT-US95-11231-2 from: 1 to: 3881

7 AlaleuValPheLeuLeuLenGln 14
|||||
3532 GCGTTGGTTTCTTCTGCTACTTCAA 3555

seq_name: /cgn2_6/ptodata/2/1na/PCTUS_COMB.seq:PCT-US92-00282-37

seq_documentation_block:
;; Sequence 37, Application PC/TUS9200282
;; GENERAL INFORMATION:
;; APPLICANT: OWENS, IDA S.
;; APPLICANT: RITTER, JOSEPH K.
;; TITLE OF INVENTION: THE GENETIC LOCUS UGTL AND A MUTATION
;; TITLE OF INVENTION: THEREIN.
;; NUMBER OF SEQUENCES: 40
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: CUSHMAN DARBY & CUSHMAN
;; STREET: 1615 L STREET, N.W.
;; CITY: WASHINGTON
;; STATE: D.C.
;; COUNTRY: U.S.A.
;; ZIP: 20036-5601
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: PCT/US92/00282
;; FILING DATE: 19920110
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: SCOTT, WATSON T.
;; REGISTRATION NUMBER: 26581
;; REFERENCE/DOCKET NUMBER: 91532-PCT
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 202-861-3000

TELEFAX: 202-822-0944
TELEPHONE: 202-672-5300
INFORMATION FOR SEQ ID NO: 37:
SEQUENCE CHARACTERISTICS:
LENGTH: 51 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
PCT-US92-00282-37

alignment_scores:
Quality: 7.00
Ratio: 1.000
Percent Similarity: 100.000
Percent Identity: 100.000

alignment_block:
US-09-784-340-2 x PCT-US92-00282-37 ..

Align seg 1/1 to: PCT-US92-00282-37 from: 1 to: 51

479 Hisaspleuthrtrpneqln 485
|||||
1 CACGACCTCAGCTGTCAG 21

seq_name: /cgn2_6/ptodata/2/ina/backfile1.seq:5182195-6

seq_documentation_block:
Patent No. 5182195
APPLICANT: NAKAHAMA, KAZUO; KAISHO, YOSHIHIKO; YOSHIMURA, KOJI
TITLE OF INVENTION: METHOD FOR INCREASING USING PROTEASE
DEFICIENT YEASTS
NUMBER OF SEQUENCES: 71
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/269,140
FILING DATE: 09-NOV-1988
SEQ ID NO: 6:
LENGTH: 78
5182195-6

alignment_scores:
Quality: 7.00
Ratio: 1.000
Percent Similarity: 100.000
Percent Identity: 100.000

alignment_block:
US-09-784-340-2 x 5182195-6 ..

Align seg 1/1 to: 5182195-6 from: 1 to: 78

87 Asnclullephevalaspleu 93
|||||
15 AATGAGATCTTGTGATCTT 35

seq_name: /cgn2_6/ptodata/2/ina/5A_COMB.seq:US-08-202-186-33

seq_documentation_block:
Sequence 33, Application US/08202186
Patent No. 5756708
GENERAL INFORMATION:
APPLICANT: KARAN, Mirko
APPLICANT: BURNS, Thomas M.
APPLICANT: DALE, James L.
APPLICANT: HARDING, Robert M.
TITLE OF INVENTION: DNA Sequences of Banana Bunchy Top Virus
NUMBER OF SEQUENCES: 60
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 3000 K Street, N.W.
CITY: Washington, D.C.
COUNTRY: USA

ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/202,186
FILING DATE: 24-FEB-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: JEFFERY, Donald D.
REGISTRATION NUMBER: 19,980
REFERENCE/DOCKET NUMBER: 71611/102 FIRE
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202 672 5300
TELEFAX: 202 672 5399
TELEX: 904136
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 90 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-202-186-33

alignment_scores:
Quality: 7.00
Ratio: 1.000
Percent Similarity: 100.000
Percent Identity: 100.000

alignment_block:
US-09-784-340-2 x US-08-202-186-33 ..

Align seg 1/1 to: US-08-202-186-33 from: 1 to: 90

2 ArgserAsplysSerAlaleu 8
|||||
14 CGTCCGACAAAGCGACTA 34

seq_name: /cgn2_6/ptodata/2/ina/5A_COMB.seq:US-08-629-939-4

seq_documentation_block:
Sequence 4, Application US/08629939
Patent No. 5645995
GENERAL INFORMATION:
APPLICANT: Kieback, Dirk G.
TITLE OF INVENTION: METHODS FOR DIAGNOSING AN INCREASED
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: SUGHRUE, MTON, ZINN, MACPEAK & SEAS
STREET: 2100 Pennsylvania Avenue, N.W., Suite 800
CITY: Washington, D.C.
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20037

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/629,939
FILING DATE: 12-APRIL-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: KITT, Gordon
REGISTRATION NUMBER: 30,764
REFERENCE/DOCKET NUMBER: A-6612
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 293-7060

```

; TELERAX: (202) 293-7860
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 149 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: DNA
;   HYPOTHETICAL: NO
; US-08-629-939-4

```

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alignment_scores:
  Quality: 7.00      Length: 7
  Ratio: 1.000      Gaps: 0
  Percent Similarity: 100.000  Percent Identity: 100.000

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alignment_block:
US-09-784-340-2 x US-08-629-939-4/rev ..

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Align seg 1/1 to reverse of: US-08-629-939-4 from: 1 to: 149

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508 LysCysPheLeuPheSerCys 514
|||||
118 AAATGTTTCTGTCATCATGT 98

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seq_name: /cgn2_6/ptodata/2/lna/5A.COMB.seq:US-08-759-873-4

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seq_documentation_block:
; Sequence 4, Application US/08759873
; Patent No. 5683885
; GENERAL INFORMATION:
;   APPLICANT: Kieback, Dirk G.
;   TITLE OF INVENTION: METHODS FOR DIAGNOSING AN INCREASED RISK
;   TITLE OF INVENTION: OF BREAST OR OVARIAN CANCER
;   NUMBER OF SEQUENCES: 14
;   CORRESPONDENCE ADDRESS:
;   ADDRESSER: SUGHRUE, MIOTN, ZINN, MACPEAK & SEAS
;   STREET: 2100 Pennsylvania Avenue, N.W., Suite 800
;   CITY: Washington, D.C.
;   STATE: D.C.
;   COUNTRY: U.S.A.
;   ZIP: 20037
; COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/759,873
;   FILING DATE: 12-APRIL-1996
;   CLASSIFICATION: 435
;   ATTORNEY/AGENT INFORMATION:
;   NAME: KIR, Gordon
;   REGISTRATION NUMBER: 30,764
;   REFERENCE/DOCKET NUMBER: A-6612
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (202) 293-7060
;   TELEFAX: (202) 293-7860
;   INFORMATION FOR SEQ ID NO: 4:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 149 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: DNA
;   HYPOTHETICAL: NO
; US-08-759-873-4

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alignment_scores:
  Quality: 7.00      Length: 7
  Ratio: 1.000      Gaps: 0

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Percent Similarity: 100.000  Percent Identity: 100.000

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alignment_block:
US-09-784-340-2 x US-08-759-873-4/rev ..

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Align seg 1/1 to reverse of: US-08-759-873-4 from: 1 to: 149

```

```

508 LysCysPheLeuPheSerCys 514
|||||
118 AAATGTTTCTGTCATCATGT 98

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```

seq_name: /cgn2_6/ptodata/2/lna/6B.COMB.seq:US-09-060-756-269

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seq_documentation_block:
; Sequence 269, Application US/09060756
; Patent No. 6183957
; GENERAL INFORMATION:
;   APPLICANT: Cole, Stewart
;   APPLICANT: Buchrieser-Brosch, Roland
;   APPLICANT: Gordon, Stephen
;   TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
;   TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
;   TITLE OF INVENTION: LIBRARY APPLICATION TO THE DETECTION OF MYCOBACTERIA
;   FILE REFERENCE: 3495-0169
;   CURRENT APPLICATION NUMBER: US/09/060,756
;   CURRENT FILING DATE: 1998-04-16
;   NUMBER OF SEQ ID NOS: 743
;   SOFTWARE: PatentIn Ver. 2.0
;   SEQ ID NO 269
;   LENGTH: 216
;   TYPE: DNA
;   ORGANISM: Mycobacterium tuberculosis
; US-09-060-756-269

```

```

alignment_scores:
  Quality: 7.00      Length: 7
  Ratio: 1.000      Gaps: 0
  Percent Similarity: 100.000  Percent Identity: 100.000

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```

alignment_block:
US-09-784-340-2 x US-09-060-756-269 ..

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Align seg 1/1 to: US-09-060-756-269 from: 1 to: 216

```

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342 ProSerThrLeuGlyAlaAsn 348
|||||
182 CCATCGACATTTGGGGCGCAAC 202

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```

seq_name: /cgn2_6/ptodata/2/lna/6B.COMB.seq:US-09-060-756-541

```

```

seq_documentation_block:
; Sequence 541, Application US/09060756
; Patent No. 6183957
; GENERAL INFORMATION:
;   APPLICANT: Cole, Stewart
;   APPLICANT: Buchrieser-Brosch, Roland
;   APPLICANT: Gordon, Stephen
;   APPLICANT: Billault, Alain
;   TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
;   TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
;   TITLE OF INVENTION: LIBRARY APPLICATION TO THE DETECTION OF MYCOBACTERIA
;   FILE REFERENCE: 3495-0169
;   CURRENT APPLICATION NUMBER: US/09/060,756
;   CURRENT FILING DATE: 1998-04-16
;   NUMBER OF SEQ ID NOS: 743
;   SOFTWARE: PatentIn Ver. 2.0
;   SEQ ID NO 541
;   LENGTH: 307
;   TYPE: DNA
;   ORGANISM: Mycobacterium tuberculosis
; FEATURE:

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; NAME/KEY: unsure
; LOCATION: (various positions within the sequence)
; OTHER INFORMATION: applicants are uncertain of bases designated as "n"
US-09-060-756-541

alignment_scores:
Quality: 7.00
Ratio: 1.000
Percent Similarity: 100.000
Length: 7
Gaps: 0
Percent Identity: 100.000

alignment_block:

US-09-784-340-2 x US-09-060-756-541 ..

Align seg 1/1 to: US-09-060-756-541 from: 1 to: 307

342 ProserThleuGlyAlaAsn 348
|||||
222 CCATGACATTGGGGCGAAC 242

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